L 34024-66 EWT(m)/EWP(j) RM

ACC NR: AP6025537 SOURCE CODE: UR/0079/66/036/001/0157/0159

AUTHOR: Feshchenko, N. G.; Kirsanov, A. V. 33 B

ORG: Institute of Organic Chemistry, AN UkrSSR (Institut organicheskoy khimii AN UkrSSR)

TITLE: Reaction of phosphorous acid with iodine and alcohols

SOURCE: Zhurnal obshchey khimii, v. 36, no. 1, 1966, 157-159

TOPIC TAGS: phosphorus acid, iodine, alcohol, iodide, phosphoric acid, reaction mechanism, chemical reaction

ABSTRACT: A detailed study was made of the reaction of alcohols, phosphorus, and iodine, indicating that in contrast to the generally accepted scheme, iodine, phosphorus, and alcohols react in 5:1:5 ratios to form alkyl iodides and phosphoric acid monohydrate. Phosphorous acid reacts with alcohols and iodine in a 1:2:2 ratio to form phosphoric acid monohydrate and alkyl iodides. The latter reaction can be convenient and for preparative purposes. Possible reaction mechanisms are outlined. Orig. art. has: 1 formula and 2 tables. [JPRS: 35,998]

SUB CODE: 07 / SUBM DATE: 22Feb65 / ORIG REF: 003 / OTH REF: 001

Card 1/1 pla

UDC: 546.183:547.224

0416 0925

L 31798-66 ENT(m)/EWP(j) RM

ACC NR: AP6021689 SOURCE CODE: UR/0079/66/036/003/0564/0564

22
B

AUTHOR: Poshchonko, N. G.; Kirsanov, A. V.

ORG: Institute of Organic Chemistry, AN UkrSSR (Institut organicheskoy khimii AN UkrSSR)

TITLE: Method of producing trialkylphosphine oxides directly from the alcohols, red phosphorus, and iodine

SOURCE: Zhurnal obshchey khimii, v. 36, no. 3, 1966, 564

TOPIC TAGS: alkylphosphine oxide, iodine, alcohol, chemical synthesis, phosphorus chemical production

ABSTRACT: Trialkylphosphine oxides are produced in 85-90% yields directly from the alcohols, red phosphorus, and iodine without isolating the intermediate alkyl iodides. Trialkylphosphine oxides were produced from hexyl, heptyl, octyl, nonyl, decyl, cetyl, cyclohexyl, and 3,5,5-trimethylheptyl alcohols, as well as from industrial mixtures of C_6-C_9, C_9-C_{12}, and other alcohols. [JPRS]

SUB CODE: 07 / SUBM DATE: 14Oct65 / ORIG REF: 001

LS

Card 1/1 UDC: 547.241

Feshchenko, N.P.

131-2-6/10

AUTHOR: Feshchenko, N. P.

TITLE: A Press for Small Mold Parts
(Press dlya melkoshtuchnykh fasonnykh izdeliy).

PERIODICAL: Ogneupory, 1958, 23 Nr 2, pp. 79-82 (USSR)

ABSTRACT: In the Vnukov works small chamotte products of complicated shape were produced in 1956. Their weight amounted to less than 0,5 kg. It was possible to produce them according to the semidry as well as to the plastic procedure. The pressing process was conducted with the help of worm-screw presses and of lever presses, each press being operated manually by two workers and therefore showing a low output. In 1957, the author constructed an universal mechanical press, which permits operation according to the plastic as well as to the semi-dry procedure. The press is handled by a single worker, its output rate amounts to from 4000 to 4500 units per shift. Its technical data are as follows: Total pressure 6000 kg, operation strokes per minute 15, maximum dimensions of the products 250 x 250 x 150 mm, the charging with mass and the discharge of the products is effected automatically. It has friction drive, the length of the stroke of the upper stemple is 200 ± 150 mm the power of the motor is 3,2 kW, 950

Card 1/2

revolutions per minute; it has a two-step reduction gear of the

Ts D, - 2 - 35 type,

the ratio of reduction is 31'5. It is possible to operate the press continuously as well as with an interuption after each pressing cycle. The outer dimensions are: Length - 1300 mm, width - 1050 mm, height 1850 mm, weight 420 kg. An overall view is furnished by figure 1. Subsequently the construction and the mode of operation of the press is described in detail. Figure 2 shows the coupling box of the clutch, which is subsequently described; figure 3 shows the eccentric disk.

ASSOCIATION: Vnukovo Refractory Materials Plant (Vnukovskiy Ogneupornyy Zavod)
AVAILABLE: Library of Congress
Card 2/2

15(2)

AUTHOR: Feshchenko, N. P. SOV/131-59-6-10/15

TITLE: About the Working Experience With Presses SM-143 (Iz opyta ekspluatatsii pressov SM-143)

PERIODICAL: Ogneupory, 1959, Nr 6, pp 279-282 (USSR)

ABSTRACT: These presses have been in operation at the Vnukovo works since 1953. Normal and wedge-shaped chamotte bricks, as well as complicated, molded products with dimensions of up to 300 • 335 mm are produced on them. Reliable working of the press can be guaranteed due to regular maintenance and the perfection of several parts of the press. The overhauling of the presses is divided into two groups, i. e. the regular service, and the general overhauling. Current repair works of small parts are made daily. The general overhauling of the presses is carried out regularly in three stages, i. e. transmission, the press mechanism, and the output- and feeding-mechanism of the press. During one stage of repair the press is no longer than four working shifts out of operation. Rationalization experts of the factory improved a number of press parts, as is shown in figures 1, 2, 3, and 4.

Card 1/2

In conclusion one may say that the presses SM-143 which replaced the old type are simple in construction and reliable in their work though they still have deficiencies, the elimination of which will further improve their efficiency. It is necessary to develop a reliable mechanism for eliminating spilt powder and waste. The presses should be equipped with automatic central lubrication. There are 4 figures.

ASSOCIATION: Vnukovskiy ogneupornyy zavod (Vnukovo Works for Refractory Products)

1. FESHCHENKO, P. I.

2. USSR (600)

4. Forest Nurseries

7. Intensify control over the quality of forest seeds. Les. khoz. 5, no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

FESHCHENKO, P.I., agronom

Using machinery for planting graft-stock and digging out transplants in nurseries. Mekh. sil'. hosp. 10 no.3:21-23 Mr '59.
(MIRA 12:6)

(Nurseries (Horticulture)--Equipment and supplies)

FESHCHENKO, Petr Stepanovich, kand. ekon. nauk; DOLOMINO, N., red.; POLYAKOV, I., red.; FISENKO, A., tekhn. red.

[Towards a new upsurge in state farm economy]K novomu pod"emu ekonomiki sovkhozov; v pomoshch' izuchaiushchim ekonomiku sel'skogo khoziaistva. Simferopol', Krymizdat, 1961. 54 p. (MIRA 15:11)

(Crimea—State farms)

PESHCHENKO, S. F.

Asymptotic reduction of intergrals of linear ordinary differential equations containing a parameter. Dop.AN URSR no.1:11-16 '49.
(MLRA 9:9)

1.Institut matematiki AN URSR. Predstaviv diysniy chlen AN URSR M.M.Bogolyubov.
(Differential equations, Linear) (Integrals)

FESHCHENKO, S. F.

Feščenko, S. F. Estimate of the error in the asymptotic behavior of integrals of ordinary linear differential equations having a parameter. Dopovidi Akad. Nauk Ukrain. RSR 1951, 156–162 (1951). (Ukrainian. Russian summary)

The author considers a system of an n-vector and $n \times n$ matrix

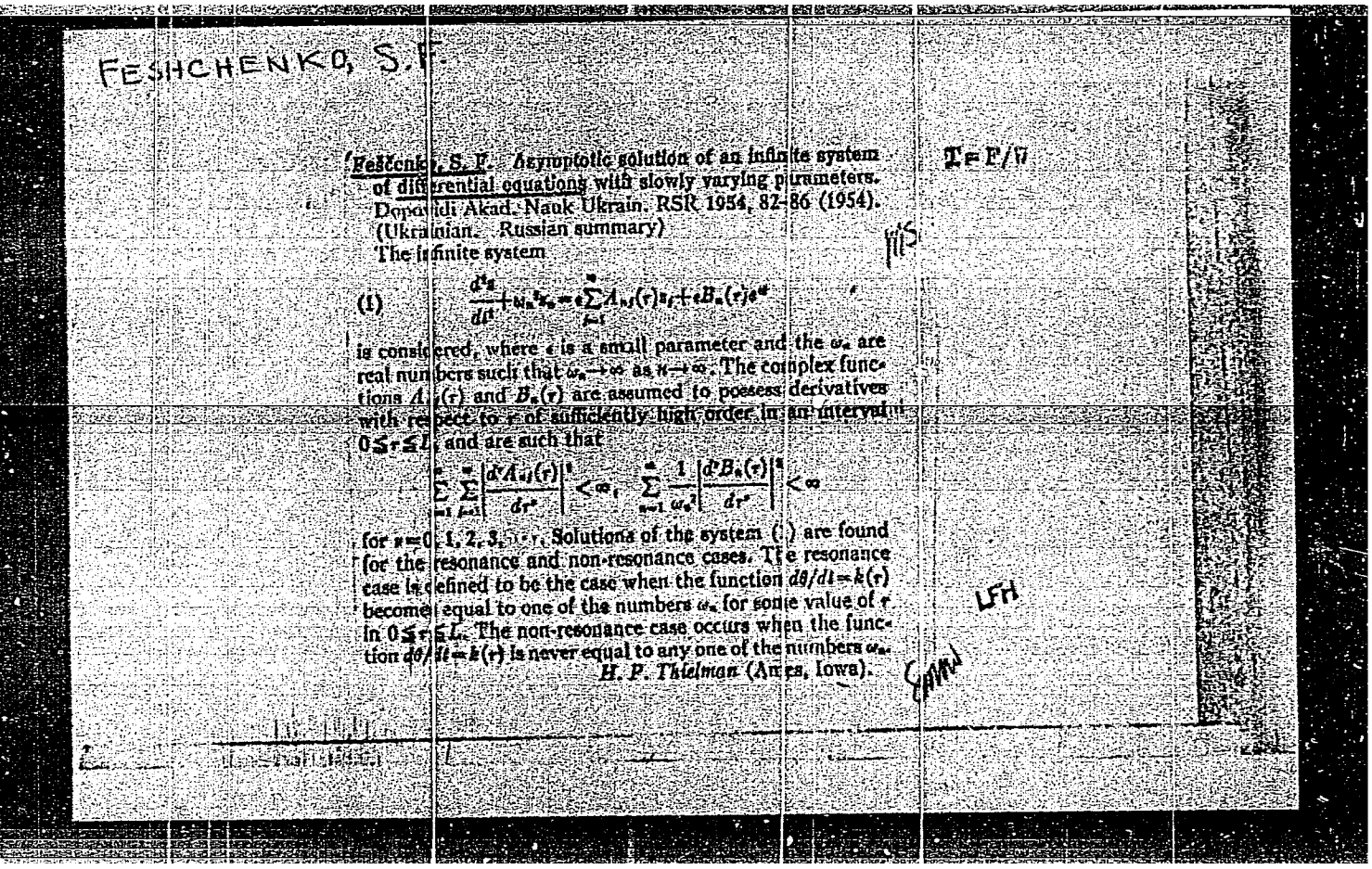
$$\dot{x} = A(\tau, \epsilon)x, \quad \tau = \epsilon t, \quad |\epsilon| < 1$$

under the assumptions that

$$A(\tau, \epsilon) = \sum_{\nu=0}^{\infty} \epsilon^{\nu} A^{\nu}(\tau)$$

and that the characteristic roots $\lambda_1(\tau), \cdots, \lambda_n(\tau)$ of $A^0(\tau)$ are such that $\lambda_i \neq \lambda_j$, $i \leq r$, $j > r$. [In a previous paper [same Dopovidi 1949, no. 1] a certain formal solution of the system had been obtained. This solution is now shown to have asymptotic character and an estimate of the error of the mth approximation is given. [Additional reference: N. N. Bogoliubov, On some statistical methods in mathematical physics, Izdat. Akad. Nauk Ukrain. SSR, 1945; these Rev. 8, 37].

S. Lefschetz (Princeton, N. J.).



FESHCHENKO, S. F.

T = F/V

Feščenko, S. F. Asymptotic solution of an infinite system of differential equations with slowly varying parameters. Dopovidi Akad. Nauk Ukrain. RSR 1954, 82–86 (1954). (Ukrainian. Russian summary)

The infinite system

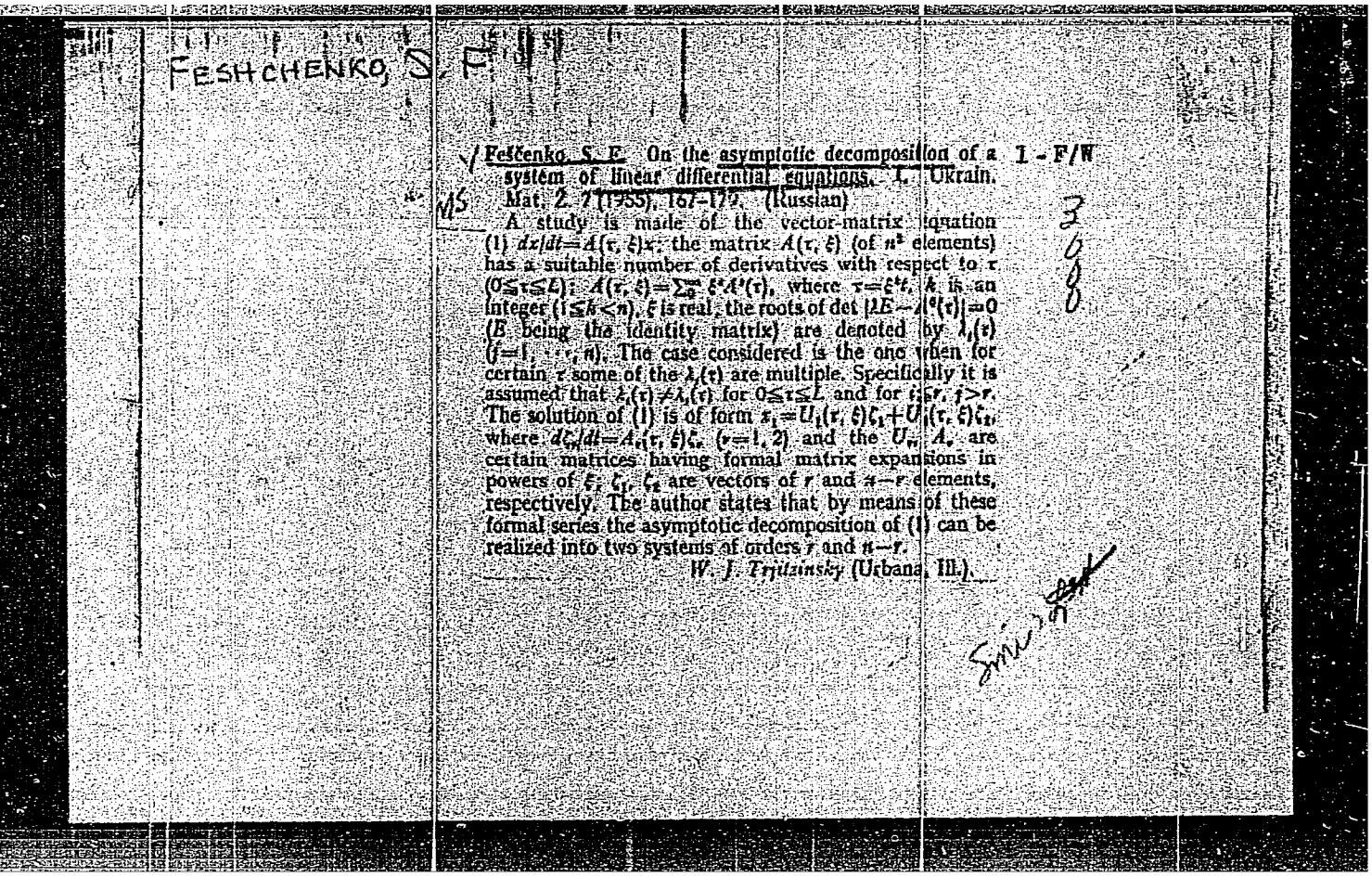
$$\frac{d^2z_n}{dt^2}+\omega_n^2 z_n=\epsilon\sum_{k=1}^{\infty}A_{nk}(\tau)z_k+\epsilon B_n(\tau)e^{i\theta} \tag{1}$$

is considered, where ϵ is a small parameter and the ω_n are real numbers such that $\omega_n\to\infty$ as $n\to\infty$. The complex functions $A_{nk}(\tau)$ and $B_n(\tau)$ are assumed to possess derivatives with respect to τ of sufficiently high order in an interval $0\leq\tau\leq L$, and are such that

$$\sum_{n=1}^{\infty}\sum_{k=1}^{\infty}\left|\frac{d^rA_{nk}(\tau)}{d\tau^r}\right|^2<\infty,\quad \sum_{n=1}^{\infty}\frac{1}{\omega_n^2}\left|\frac{d^rB_n(\tau)}{d\tau^r}\right|^2<\infty$$

for $r=0, 1, 2, 3, \cdots$. Solutions of the system (1) are found for the resonance and non-resonance cases. The resonance case is defined to be the case when the function $d\theta/dt=k(\tau)$ becomes equal to one of the numbers ω_n for some value of τ in $0\leq\tau\leq L$. The non-resonance case occurs when the function $d\theta/dt=k(\tau)$ is never equal to any one of the numbers ω_n.

H. P. Thielman (Ames, Iowa).



FESHCHENKO, S. F.

MS

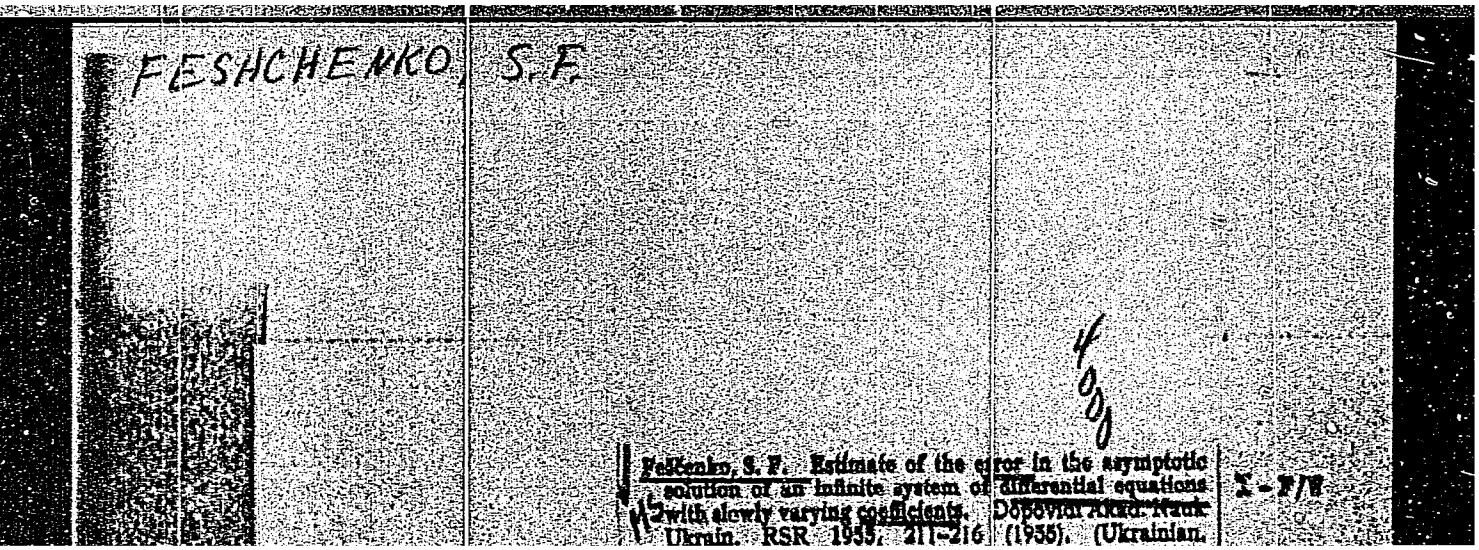
Feščenko, S. F. On the asymptotic decomposition of a system of linear differential equations. I. Ukrain. Mat. Ž. 7 (1955), 167–172. (Russian)

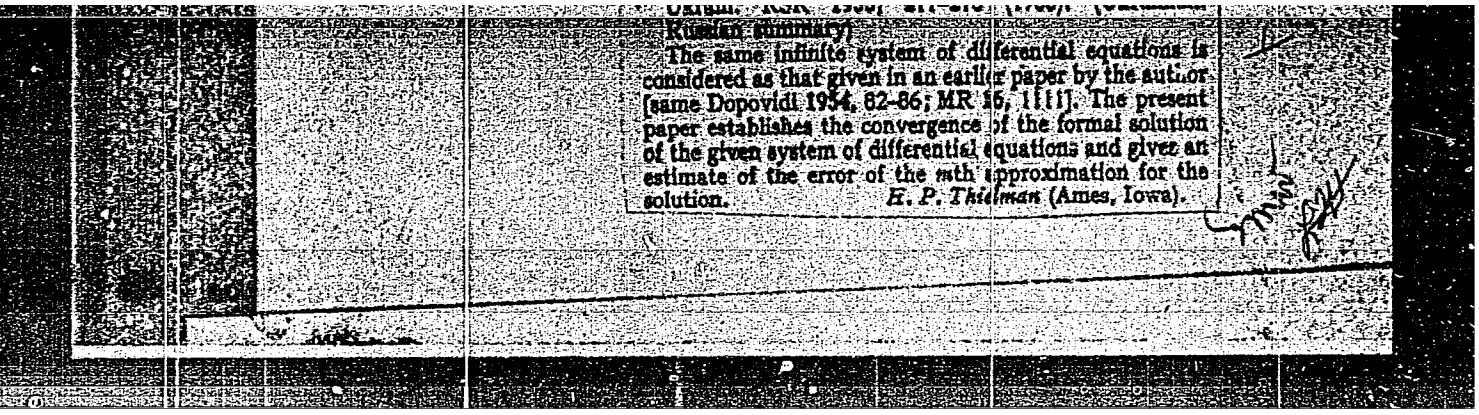
A study is made of the vector-matrix equation (1) $dx/dt=A(\tau, \xi)x$; the matrix $A(\tau, \xi)$ (of n^2 elements) has a suitable number of derivatives with respect to τ ($0\leq\tau\leq L$); $A(\tau, \xi)=\sum_0^\infty \xi^k A^k(\tau)$, where $\tau=\xi^k t$, k is an integer ($1\leq k<n$), ξ is real, the roots of $\det|\lambda E-A^0(\tau)|=0$ (E being the identity matrix) are denoted by $\lambda_j(\tau)$ ($j=1, \cdots, n$). The case considered is the one when for certain τ some of the $\lambda_j(\tau)$ are multiple. Specifically it is assumed that $\lambda_i(\tau)\neq\lambda_j(\tau)$ for $0\leq\tau\leq L$ and for $i\leq r$, $j>r$. The solution of (1) is of form $x_i=U_{i1}(\tau, \xi)\zeta_1+U_{i2}(\tau, \xi)\zeta_2$, where $d\zeta_\nu/dt=\Lambda_\nu(\tau, \xi)\zeta_\nu$ ($\nu=1, 2$) and the $U_{i\nu}$, Λ_ν are certain matrices having formal matrix expansions in powers of ξ; ζ_1, ζ_2 are vectors of r and $n-r$ elements, respectively. The author states that by means of these formal series the asymptotic decomposition of (1) can be realized into two systems of orders r and $n-r$.

W. J. Trjitzinsky (Urbana, Ill.)

I - F/W

3 6 8





Russian summary]

The same infinite system of differential equations is considered as that given in an earlier paper by the author [same Dopovidi 1954, 82-86; MR 16, 1111]. The present paper establishes the convergence of the formal solution of the given system of differential equations and gives an estimate of the error of the mth approximation for the solution. *H. P. Thielman* (Ames, Iowa).

FESHCHENKO,S.F.; KUZHIY,A.I.

On the time of removing an end load from an immobile base with a mine hoist cable. Dop. AN URSR no.2:126-133 '55. (MLRA 8:11)

1. Institut matematiki Akademii nauk URSR ta Kiivs'kiy pedinstitut imeni Gor'kogo. Predstaviv diysniy chlen Akademii nauk URSR G.N. Savin

(Elasticity) (Mine hoisting)

FESHCHENKO, S.F.

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/1 PG - 60
AUTHOR FESCENKO S.F.
TITLE On the asymptotic splitting up of a system of linear differential equations II. (Error estimation).
PERIODICAL Ukrain.mat. Žurn. 7, 443-452 (1955)
reviewed 6/1956

This paper is the continuation of an earlier paper in which the theory of the asymptotic splitting up of a linear differential system into independent differential systems of lower order was established. There, as results formal developments were established which proceed to powers of a "small" parameter and on the convergence of which nothing was said. Now the author shows that if these formal infinite series are replaced by the approximations of m-th order, then the appearing approximative solutions indeed converge to the solutions of the initial differential system, where the convergence is exponential in m.

FESHCHENKO, S.F. (Kiyev); SHKIL', N.I. [Shkil', M.I.] (Kiyev)

Determining stresses in an elastic viscous string of variable length. Prykl.mekh. 4 no.3:269-276 '58. (MIRA 13:8)

1. Kiyevskiy pedagogicheskiy institut.
(Elastic rods and wires)

AUTHORS: Feshchenko, S.F. and Shkil', N.I. 21-58-5-3/28

TITLE: On the Asymptotic Solution of a Special System of Ordinary Linear Differential Equations (Ob asimptoticheskom reshenii spetsial'noy sistemy obyknovennykh lineynykh differentsial'nykh uravneniy)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 5, pp 482-485 (USSR)

ABSTRACT: The authors consider a system of ordinary linear differential equations which can be written in the vector-matrix form as follows:

$$E_1 \frac{dX}{dt'} = A(t')X + E_1 B(t')e^{i\theta}$$

where A (t') is a square matrix of n-order; X and B (t') are n-dimensional vectors, and E_1 is a square matrix of the n-order of the form:

$$E_1 = \{1, 1, \varepsilon, \varepsilon, \ldots, \varepsilon\}$$

Introducing a new independent variable, $t' = \varepsilon t = \tau$, the authors prove two theorems with the aid of which the asymptotic solution of the system of differential equations under

Card 1/3

On the Asymptotic Solution of a Special System of Ordinary Linear Differential Equations

consideration can be found. Two particular cases are analyzed: 1) the "resonance" case with certain values of τ from the segment $0 \leq \tau \leq L$, when the function $i\frac{d\theta}{dt} = iK(\tau)$ may become equal to one of the roots of the characteristic equation of matrix $A^0(\tau)$, e.g., to the root $\lambda_j(\tau)$ which is assumed to be a second multiple purely imaginary root; and 2) the "non-resonance" case, when

$$iK(\tau) \neq \lambda_j(\tau) \qquad (j = 1,2,\ldots,n)$$

in the segment $0 \leq \tau \leq L$ where $\lambda_j(\tau)$ are roots of the same characteristic equation.
There are 3 Soviet references.

ASSOCIATION: Institut matematiki AN UkrSSR (Institute of Mathematics of AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, I.Z. Shtokalo

SUBMITTED: October 23, 1957

21-58-5-3/28

On the Asymptotic Solution of a Special System of Ordinary Linear Differential Equations

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

1. Linear equations--Theory

Card 3/3

SAVIN, G.M. [Savin, H.M.], akademik; TRESHCHENKO, S.F.

Asymptotic solution of a class of partial differential equations with variable boundary conditions. Dop. AN URSR no.6:588-594 '58. (MIRA 11:9)

1.Institut matematiki AN USSR. 2.AN USSR (for Savin).
(Differential equations, Partial)

S/041/60/012/004/006/011
C111/C222

16.3400

AUTHORS: Feshchenko, S.F., and Shkil', N.I.

TITLE: Asymptotic Solutions of a System of Linear Differential Equations With a Small Parameter for the Derivatives

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, 1960, Vol. 24, No. 4, pp. 429 - 438

TEXT: The authors consider the equation

$$\frac{dx}{dt} = \left[A_0(\tau) + \varepsilon A_1(\tau)\right] x + \varepsilon B(\tau) e^{i\theta(\tau)} \tag{4}$$

where $\tau = \varepsilon t$, B(t) is an n-dimensional vector and

$$A_0(\tau) = \begin{Vmatrix} 0, & 0, & \ldots, & 0 \\ 0, & 0, & \ldots, & 0 \\ a_{31}(\tau), & a_{32}(\tau), & \ldots, & a_{3n}(\tau) \\ \ldots & \ldots & \ldots & \ldots \\ a_{n1}(\tau), & a_{n2}(\tau), & \ldots, & a_{nn}(\tau) \end{Vmatrix}, \quad A_1(\tau) = \begin{Vmatrix} a_{11}(\tau), & \ldots, & a_{1n}(\tau) \\ a_{21}(\tau), & \ldots, & a_{2n}(\tau) \\ 0, & \ldots, & 0 \\ \ldots & \ldots & \ldots \\ 0, & \ldots, & 0 \end{Vmatrix}. \tag{5}$$

Card 1/6

88305

S/041/60/012/004/006/011
C111/C222

Asymptotic Solutions of a System of Linear Differential Equations With a Small Parameter for the Derivatives

It is assumed that the $a_{ij}(\tau)$ the components of $B(\tau)$, and the function

(6) $$k(\tau) = \frac{d\theta(\tau)}{dt}$$

have derivatives of all orders with respect to τ on $0 \leq \tau \leq L$. A solution of (4) is sought which satisfies

(7) $$(x)_{t=0} = x_0 \quad .$$

If $\lambda_i(\tau)$, $i = 1, \ldots, n$ are the roots of

(8) $$\det | A_0(\tau) - \lambda E | = 0 \quad ,$$

then

(9) $$\lambda_1(\tau) \equiv \lambda_2(\tau) \equiv 0 \quad .$$

Let the other roots be simple on $[0,L]$, where

(10) $$\lambda_3(\tau) = i\alpha(\tau) \quad .$$

Card 2/6

S/041/60/012/004/006/011
0111/C222

Asymptotic Solutions of a System of Linear Differential Equations With a Small Parameter for the Derivatives

Then there exists a non-singular matrix $V(\tau)$ so that

(11) $$V^{-1}(\tau)\, A_0(\tau)\, V(\tau) = W(\tau) ,$$

where

(12) $$W(\tau) = \begin{Vmatrix} W_1(\tau), & 0 \\ 0, & W_2(\tau) \end{Vmatrix}$$

and

(13) $$W_1(\tau) = \begin{Vmatrix} 0, & 1 \\ 0, & 0 \end{Vmatrix} , \qquad W_2(\tau) = \begin{Vmatrix} \lambda_3(\tau), & 0, & \ldots, & 0 \\ 0, & \lambda_4(\tau), & \ldots, & 0 \\ \cdots & \cdots & \cdots & \cdots \\ 0, & 0, & \ldots, & \lambda_n(\tau) \end{Vmatrix} .$$

In the present paper the solution is constructed in the case of resonance, i.e. if $k(\tau)$ in isolated points equals $\alpha(\tau)$ but for no $\tau \in [0,L]$

Card 3/6

Asymptotic Solutions of a System of Linear Differential Equations With a Small Parameter for the Derivatives

equals the other roots of (8).
Theorem 1 asserts that if the above conditions are satisfied and the matrix $V^{-1}(\tau)\left[A_1(\tau)V(\tau) - \frac{dV(\tau)}{d\tau}\right]$ is so that for all $\tau \in [0,L]$ it holds

(14) $$\left\{V^{-1}(\tau)\left[A_1(\tau)V(\tau) - \frac{dV(\tau)}{d\tau}\right]\right\}_{21} \neq 0 \quad ,$$

then the formal solution of (4) in the case of resonance admits the representation

(15) $$x = U_1(\tau,\mu)\zeta_1 + \left[U_2(\tau,\mu)\zeta_2 + P(\tau,\mu)\right] e^{i\theta(\tau)} \quad ,$$

where the 2-dimensional vector ζ_1 and the (n-2)-dimensional vector ζ_2 are determined by

$$\frac{d\zeta_1}{dt} = \alpha_1(\tau,\mu)\zeta_1 .$$

(16) $$\frac{d\zeta_2}{dt} = \left[\alpha_2(\tau,\mu) - ik(\tau)E\right]\zeta_2 + Z(\tau,\mu) \quad ,$$

Card 4/6

Asymptotic Solutions of a System of Linear Differential Equations With a Small Parameter for the Derivatives

while U_1 and U_2 are rectangular matrices, $\mathcal{Q}_1(\tau, \mu)$ is a matrix of second order, $\mathcal{Q}_2(\tau, \mu)$ is a quadratic matrix of the order (n-2); P and Z are vectors with n and (n-2) components, respectively. The determination of all these coefficients of (16) is carried out with the aid of the formal series arrangement

$$U_j(\tau, \mu) = \sum_{s=0}^{\infty} \mu^s U_j^{(s)}(\tau) , \quad \mathcal{Q}_j(\tau, \mu) = \sum_{s=0}^{\infty} \mu^s \mathcal{Q}_j^{(s)}(\tau) \quad j=1,2,$$

(17)

$$P(\tau, \mu) = \sum_{s=2}^{\infty} \mu^s P^{(s)}(\tau) , \quad Z(\tau, \mu) = \sum_{s=2}^{\infty} \mu^s Z^{(s)}(\tau) .$$

In order to show that the solution x constructed in this way is asymptotical, the authors introduce the vector x_m which originates from the vector x by restriction to m-th partial sums in the sums of (17). Theorem 2 asserts : If beside of the conditions of theorem 1 there still

Card 5/6

88305
S/041/60/012/004/006/011
C111/C222

Asymptotic Solutions of a System of Linear Differential Equations With a Small Parameter for the Derivatives

holds

$$\mathrm{Re}\left(\left\{V^{-1}(\tau)\left[A_1(\tau)\,V(\tau) - \frac{dV(\tau)}{d\tau}\right]\right\}_{21}\right) < 0$$

(49)

$$I\left(\left\{V^{-1}(\tau)\left[A_1(\tau)\,V(\tau) - \frac{dV(\tau)}{d\tau}\right]\right\}_{21}\right) \equiv 0 \quad ,$$

where Re is the real part and I is the imaginary part, then for arbitrary $L>0$ and $0 < \mu \leq \mu_0$ it holds

(54) $$|x - x_m| \leq \mu^{m-5} C \quad ,$$

where C is a constant not depending on μ .
There are 5 Soviet references.

SUBMITTED: May 21, 1960

Card 6/6

FESHCHENKO, S.F.; NIKOLENKO, L.D.

Performance of calculations connected with the asymptotic break-up of a system of ordinary linear differential equations on a high-speed computer. Dop. AN URSR no.8:990-993 '61. (MIRA 14:9)

1. Institut matematiki AN USSR. Predstavleno akademikom AN USSR I.Z. Shtokalo.
(Electronic calculating machines)
(Differential equations, Linear)

FESHCHENKO, S.F. (Kiyev); NIKOLENKO, L.D. (Kiyev)

Note on the numerical break-up of a system of ordinary linear differential equations. Ukr. mat. zhur. 13 no.3:109-113 '61. (MIRA 14:9)

(Differential equations, Linear)

FESHCHENKO, S. F.; NIKOLENKO, L. D. (Kiev)

"Asymptotische Zerlegung eines Systems linearer Differentialgleichungen und einige Anwendungen auf die Theorie der Schwingungen mechanischer Systeme."

report presented at the 3rd Conf on Nonlinear Oscillations, E. Berlin, 25-30 May 64.

ACCESSION NR: AP4015118 S/0041/64/016/001/0132/0135

AUTHORS: Feshchenko, S. F. (Kiyev); Shkil', N. I. (Kiyev)

TITLE: Error estimation for asymptotic representation of solutions of linear differential equation systems containing a parameter

SOURCE: Ukr. matem. zhurnal, v. 16, no. 1, 1964, 132-135

TOPIC TAGS: error estimation, asymptotic representation, linear differential equation, ordinary differential equation

ABSTRACT: The following system of linear differential equation is considered:

$$\frac{dx}{dt} = A(\tau, \varepsilon)x + \varepsilon B(\tau, \varepsilon)e^{i\theta},$$

where x and B are n-dimensional vectors, $A(\tau, \varepsilon)$ is a real square matrix of order n,

$$A(\tau, \varepsilon) = \sum_{s=0}^{\infty} \varepsilon^s A^{(s)}(\tau), \quad B(\tau, \varepsilon) = \sum_{s=0}^{\infty} \varepsilon^s B^{(s)}(\tau),$$

Card 1/2

ACCESSION NR: AP4015118

$$A^{(m)}(\tau) \neq 0, \quad 0 \leq \tau = \varepsilon t \leq L,$$

and ε is a small positive parameter. An algorithm for the construction of approximate solutions was given by N. I. Shkil' (UMZh t. XIV, No. 4, 1962). The asymptotic character of these approximate solutions is given in this paper. Orig. art. has: 23 equations.

ASSOCIATION: none

SUBMITTED: 26Dec62 DATE ACQ: 16Mar64 ENCL: 00

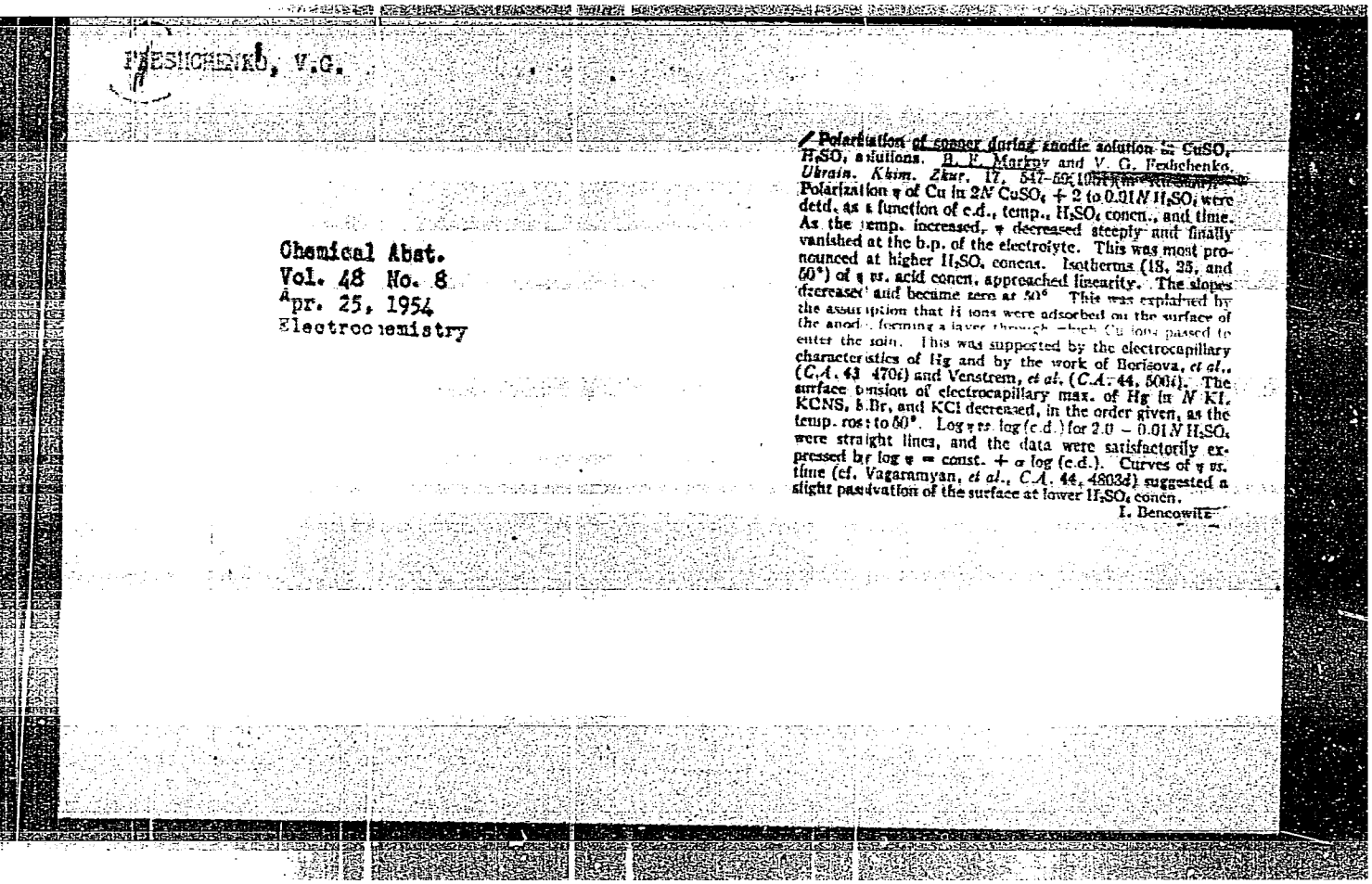
SUB CODE: MM NO REF SOV: 002 OTHER: 000

Card 2/2

KOMARENKO, A.N. (Kiyev); LUKOVSKIY, I.A. (Kiyev); FESHCHENKO, S.F. (Kiyev)

Problem involving eigenvalues with a parameter under boundary conditions. Ukr. mat. zhur. 17 no.6:22-30 '65.
(MIRA 19:1)

1. Submitted September 21, 1965.

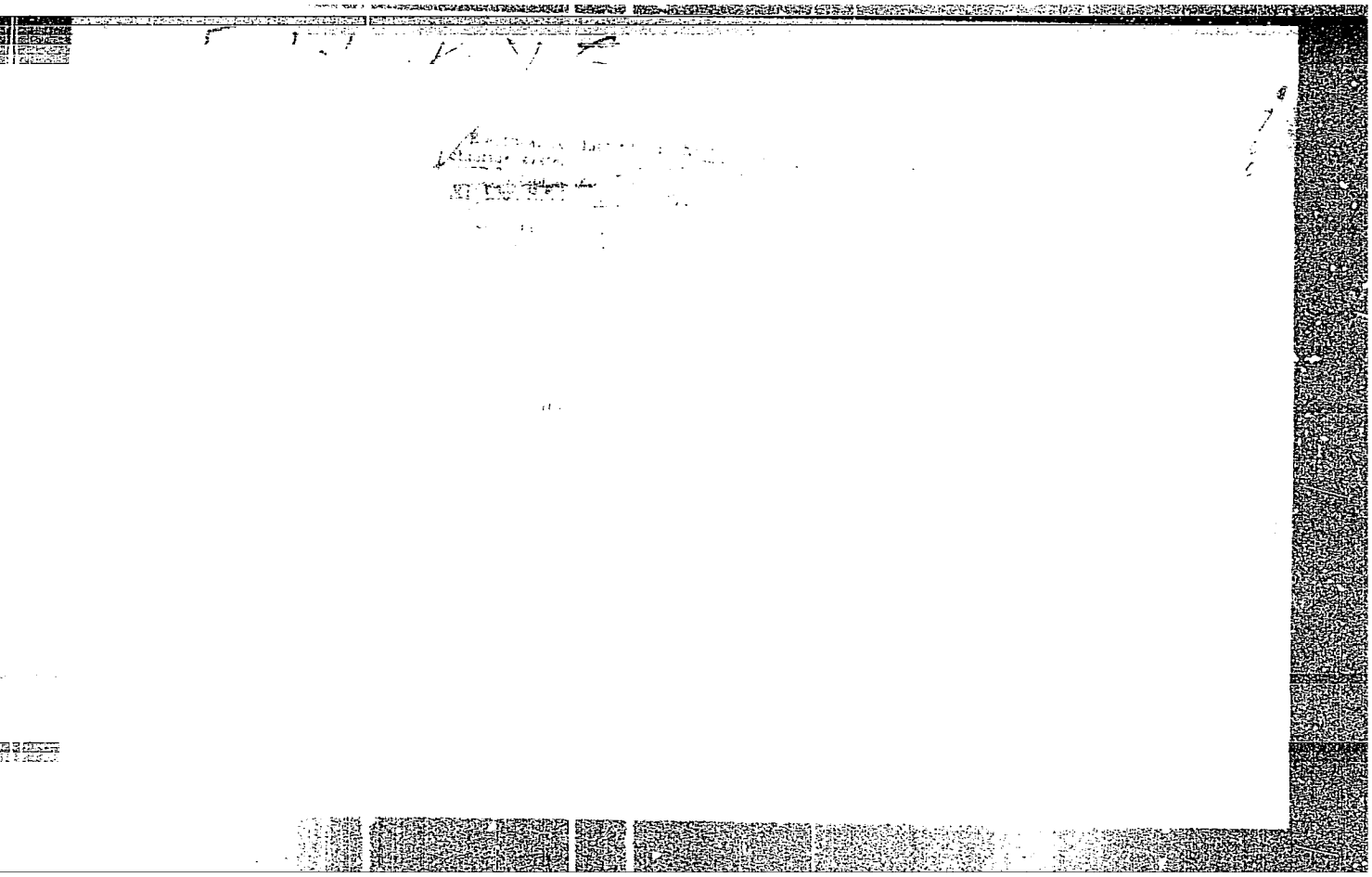


PESHCHENKO, V.G.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Electrochemistry

Polarization of copper during anodic solution in $CuSO_4$, H_2SO_4 solutions. B. F. Markov and V. G. Peshchenko. *Ukrain. Khim. Zhur.* 17, 547–59 (1951) (in Russian). Polarization η of Cu in 2*N* $CuSO_4$ + 2 to 0.01*N* H_2SO_4 was detd. as a function of c.d., temp., H_2SO_4 concn., and time. As the temp. increased, η decreased steeply and finally vanished at the b.p. of the electrolyte. This was most pronounced at higher H_2SO_4 concns. Isotherms (18, 25, and 50°) of η vs. acid concn. approached linearity. The slopes decreased and became zero at 50°. This was explained by the assumption that H ions were adsorbed on the surface of the anode, forming a layer through which Cu ions passed to enter the soln. This was supported by the electrocapillary characteristics of Hg and by the work of Borisova, *et al.*, (*C.A.* 43, 4706*i*) and Venstrem, *et al.* (*C.A.* 44, 5004*i*). The surface tension of electrocapillary max. of Hg in *N* KI, KCNS, KBr, and KCl decreased, in the order given, as the temp. rose to 60°. Log η vs. log (c.d.) for 2.0 – 0.01*N* H_2SO_4 were straight lines, and the data were satisfactorily expressed by $\log \eta = \text{const.} + \alpha \log$ (c.d.). Curves of η vs. time (cf. Vagramyan, *et al.*, *C.A.* 44, 4803*d*) suggested a slight passivation of the surface at lower H_2SO_4 concn.

I. Bencowitz



APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000412920013-9"

SHEYKO, I.N., FESHCHENKO, V.G.

Note on N.S. Kavetskii's review of the article "Study of the decomposition potential of the system K_2ZrF_6 - NaCl - KCl." Ukr. khim. zhur 26 no.3:394-395 '60. (MIRA 13:7)
(Potassium zirconium fluoride) (Electrolysis)

S/073/60/026/003/011/011/XX
B023/B060

AUTHORS: Sheyko, I. N. and Feshchenko, V. G.

TITLE: On the Occasion of N. S. Kavetskiy's Review of the Article "Study of the Decomposition Voltage of the K_2ZrF_6 - NaCl - KCl System"

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, 1960, Vol. 26, No. 3, pp. 394-395

TEXT: N. S. Kavetskiy states without producing any experimental or theoretical proof that the diaphragm provided with an opening, used by the authors in their investigation (Ref. 1), functions as a bipolar electrode. He bases on this unjustified statement to declare that the method applied by the authors is wrong. It is a known fact, so the authors go on, that a plate or a net or a substance exhibiting electrical conductivity, may function also as a diaphragm, and not only as a bipolar electrode. This depends on the construction of the electrolytic cell and on its working conditions. This ability has been widely exploited in numerous electrolytic cells of industrial and laboratory types (Refs. 4-6). Graphite diaphragms with an opening of 1-2 mm in diameter have been applied

by many authors for determining the decomposition potentials of molten salts (Refs. 7-11). The methods in question have been taken from the literature itself. The values of the decomposition potentials obtained both with application of the graphite diaphragm and without, are indicated in a table. The compilation of these data shows that in the studies by V. S. Molchanov (Ref. 7), by S. I. Sklyarenko and O. S. Druzhinina (Ref.9), by Yu. K. Delimarskiy and F. F. Grigorenko (Ref. 10) the graphite diaphragm was no bipolar electrode. Even less, in the authors' statement, could this be assumed for their own investigation. The diaphragm was 3 mm thick, the opening was 5 mm in diameter, the crucible was made from a sufficiently porous graphite "5" ("B"). Molten fluorides are so quick in passing through such graphite that the crucibles "leak" already after the first test. The authors therefore had to take a new crucible for each test. All this ensured the electrical conductivity. Nevertheless, after having read Kavetskiy's criticism, the authors carried out special tests to clarify whether the graphite diaphragm may act as bipolar electrode under the conditions of paper (Ref. 1). The very first test by which they determined the decomposition potential of lead chloride at 600°C and obtained

On the Occasion of N. S. Kavetskiy's Review of the Article "Study of the Decomposition Voltage of the K_2ZrF_6 - NaCl - KCl System"

S/073/60/026/003/011/011/XX
B023/B060

the value 1.25 v (which fits the data from literature per Ref. 12) contradicts Kavetskiy's statement concerning the additional polarization, said to have taken place in the investigation (Ref. 1). Consequently, all his objections concerning the interpretation of the J-V curves are annulled. Kavetskiy's remark stating the impossibility of studying the electrode polarization in the precipitation of zirconium with the aid of a zirconium reference electrode is based on a misunderstanding. This generally applied method of investigating the electrode polarization and the difference among the potentials between two equal electrodes is explained by concentration polarization and the partial irreversibility of the electrode processes. A paper by V. S. Lyashchenko (Ref. 15) is mentioned. There are 1 table and 15 references: 12 Soviet, 2 US, and 1 Italian.

Card 3/3

SHEYKO, I.N.; FESHCHENKO, V.G. [Feshchenko, V.H.]

Determination of the decomposition potentials of fused salts in graphite cells. Ukr. khim. zhur. 27 no.4:473-478 '61. (MIRA 14:7)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
(Salts) (Electromotive force)

SHEYKO, I.N.; FESHCHENKO, V.G.

Partial pressure of beryllium chloride vapors in a mixture with sodium and potassium chlorides. Ukr.khim. zhur. 28 no.4:478-483 '62. (MIRA 15:8)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
(Beryllium chloride) (Vapor pressure)

CHERNOBYL'SKIY, I.I., doktor tekhn. nauk; FESHCHENKO, V.E., inzh.;
SIDORENKO, S.V., inzh.

Investigating the drying of lactose on a vibratory drying conveyor.
Khim. mashinostr. no.1:74-81 '65. (MIRA 18:9)

33836
S/137/62/000/001/172/237
A006/A101

18.8300

AUTHORS: Kozmanov, Yu. D., Feshchukova, T. T.

TITLE: Investigation of high-temperature oxidation of tungsten-rhenium alloys

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 77, abstract 1I546 ("Tr. Ural'skogo politekhn. in-ta", 1961, no. 114, 120 - 128)

TEXT: Addition of up to 5% Re at 660 - 900°C increases, and at 1,000 - 1,100°C, somewhat reduces heat resistance of tungsten. A further increase of the Re content (up to 20%) has a slight effect on heat resistance of tungsten. The authors revealed the "catastrophic" oxidation of alloys containing the σ-phase. An X-ray phase analysis and material balance indicate an almost complete evaporation of Re oxides from the scale during the oxidation process. In the scale of W-Re alloys, only a phase with the α -WO_3 structure and the β-phase ($W_{20}O_{58}$) were revealed by X-rays. There are 10 references.

Author's summary

[Abstracter's note: Complete translation]

Card 1/1

S/081/62/000/001/030/067
B151/B101

18.1700

AUTHORS: Kozmanov, Yu. D., Feshchukova, T. T.

TITLE: Investigation of the high-temperature oxidation of alloys consisting of tungsten and rhenium

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1962, 305-306, abstract 1I180 (Tr. Ural'skogo politekhn. in-ta, sb. 114, 1961, 120-128)

TEXT: A study of the high-temperature oxidation of Re and W in relation to cast W - Re alloys containing 0.5; 0.99; 2.0; 5.0; 10.0; 20.0; 57.5; 64.0; 67.5 % by weight Re shows that additions of Re of up to 5%, at temperatures of 600-900°C, increase the heat stability of the W and at 1000-1100°C decrease it somewhat. A further increase in the Re content (up to 20%) shows an insignificant effect on the heat stability of the W. X-ray phase-analysis shows that the oxide layer consists of two layers; the inside scale layer has a β-phase structure ($W_{20}O_{58}$) while the outside has a WO_3 structure. The presence of independent phases of the Re oxides in

Card 1/2

X

in the scale could not be shown. Re-W alloys containing the σ-phase are oxidized in a temperature range of 700 - 900°C with a velocity which is approximately that of the oxidation of Re, i. e. very quickly, "catastrophically". At the same time a single-layer, very unstable scale is formed. [Abstracter's note: Complete translation.]

Card 2/2

FESHIN, G.N. (Belgorod)

Certain errors in the solving of equations. Mat. v shkole no.6: 67 N-D '59. (MIRA 13:3)
(Equations)

KISLYUK, I.V., kand.tekhn.nauk; LIPKOV, I.A.; FESHINA, M.P., inzh.

Manufacture of piece-knitted outer garments on circular machines. Nauch.-issl.trudy VNIITP no.2:61-98 '60. (MIRA 16:2)

(Knit goods)
(Knitting machines)

FESIK, N., inzh. (g.Mukachevo)

Planting on hexagonally arranged hills. Nauka i pered. op. v sel'khoz 9 no.10:49-51 O '59 (MIRA 13:3)
(Corn(Maize))

FESIK, S. P.

Cand Tech Sci - (diss) "Problems of the estimation of statically undetermined frames of the lowest weight." Khar'kov, 1961. 13 pp; (Ministry of Higher Education Ukrainian SSR, Khar'kov Construction Engineering Inst); 180 copies; free; (KL, 7-61 sup, 247)

VINOGRADOV, A.I. [Vynohradov, O.I.] (Khar'kov); FESIK, S.P. [Fesyk, S.P.] (Khar'kov)

Optimum stress distribution in combined systems. Prykl.mekh. 7 no.2: 157-163 '61. (MIRA 14:4)

1. Khar'kovskiy institut inzhenerov zheleznodorozhnogo transporta.
(Strains and stresses)

FESIK, S.P. (Khar'kov)

Minimum weight of formerly statically indeterminable frames. Stroi. mekh. i rasch. soor. 3 no.1:32-37 '61. (MIRA 14:2)
(Structural frames)

FESIK, S.P., kand.tekhn.nauk

"Reverse problem of the theory of structures." Nauch.trudy KHIIT no.58:22-32 '62.

"Minimum-weight design of frames for temporary loads." Ibid.:33-46 (MIRA 16:12)

VINOGRADOV, A.I.; FESIK, S.P. (Khar'kov)

Statically indeterminate frames with the least weight. Stroi. mekh. i rasch. sooor. 4 no.3:11-14 '62. (MIRA 15:6)
(Structural frames)

FESIK, S. P. (Khar'kov)

"On the optimum distribution of forces in statically indeterminate beams and frames with elements of constant section".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964.

FESIK, V.N., kand.sel'skokhoz.nauk

Lines of Red Steppe cattle in Stavropol Territory. Zhivotnovodstvo 23 no.2:65-70 F '61. (MIRA 15:11)
(Stavropol Territory--Dairy cattle breeding)

LESNICHIY, Kondrat Leont'yevich [Lisnychyi, K.L.]; FESINA, Anatoliy Antonovich [Fesyna, A.A.]; SKRIPNIK, P.S. [Skrypnyk, P.S.], red.

[The collective farm economist] Ekonomist kolhospu. Kyiv, Urozhai, 1964. 86 p. (MIRA 17:10)

FESKO, K. YA.

14-1-788-D

Translation from: Referativnyy Zhurnal, Geografiya, 1957, Nr 1, p. 96 (USSR)

AUTHOR: Fesko, K. Ya.

TITLE: Problems of Water Control in Saline Soil Within the Aleysk Irrigation System (Voprosy regulirovaniya vodnogo rezhima zasolennykh pochv Aleyskoy orositel'noy systemy)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Omsk Agricultural Institute (Omskiy s.-kh. in-t) Omsk, 1956.

ASSOCIATION: Omsk Agricultural Institute (Omskiy s.-kh. in-t)

Card 1/1

USSR/Soil Science. Tillage. Melioration. Erosion J-5

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 43884

Author : Fesko K. Ya.
Inst : Not Given
Title : The Control of Soil Water Conditions

Orig Pub : S. kh. Sibiri, 1957, No 8, 86-92

Abstract : The southern chernozems of the Aloyskaye Irrigation System are becoming denser un the influence of moisture and are rapidly losing their porosity. Deep plowing (to 50 cm.) creates the best conditions for the accumulation of moisture through precipitation, although also helping to dry out the soil to the depth it has been made friable in the arid period. With deep plowing (up to 50 cm.) and with irrigation a sugar beet root yield boost of 5.8-13.4 centners per ha. and that of its seeds of 3.6 centners per ha. were obtained. --Ye.A. Dmitriyev

Card : 1/1

FESKO, K.Ya.; STRUGALEVA, Ye.V.

Deep plowing as means of regulating water and salt conditions of soils of the Aley Irrigation System [with summary in English]. Pochvovedenie no.1:104-112 Ja '59. (MIRA 12:2)

1. Altayskiy sel'skokhozyaystvennyy institut.
(Aley Valley--Soils)

Country	:	USSR
Category	:	Soil Science. Cultivation. Improvement. Erosion. J
Abs Jour	:	RZhBiol., No 6, 1959, No 24672
Author	:	Orlovskiy, N. V.; Fesko, K. Ya.; Goppe, G. S.; Strugalova, Ye. V.
Inst	:	Tomsk University.
Title	:	Salination of Soils in the Aley Irrigation System and Measures of Prevention and Control Thereof.
Orig Pub	:	Tr. Tomskogo un-ta, 1957, 140, 82-91
Abstract	:	The Aley irrigation system is the largest in Altay Kray; its total area consists of 11,000 hectares. The Soil-Improvement Expedition of the Altay Agricultural Institute investigated on the irrigated territory of the Rubtsov Sugar-Beet Collective Farm causes of secondary salina-
Card	:	1/3

Country : USSR
Category : Soil Science. Cultivation. Improvement. Erosion. J

Abs Jour : RZhBiol., No 6, 1959, No 24672

Author :
Inst :
Title :

Orig Pub :

Abstract : tion and methods of its control. After 20 years of irrigation, almost the entire territory is in the grip of secondary salination processes of various intensity. The fundamental reason of soil salination are the very costly mineralized subsoil waters. It is recommended: (1) a strict differentiation of irrigation; (2) realization of planned irriga-

Card : 2/3

61

Orig Pub :

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000412920013-9"

Abstract : ted fields; (3) measures to reduce water filtration from the canals; (4) creation of a thick structural arable layer, and (5) strengthening the role played by perennial grasses in crop rotation, etc. -- G. B. Zakhar'ina

Card : 2/3

ZIBITSKER, D.Ye.; SELIVANOV, Ya.M.; FES'KO, T.A.; GOSILOVSKAYA, A.Ye.

Vaccination against influenza in the White Russian S.S.R. Vop.virus. 1 no.6:43-47 N-D '56 (MIRA 11:3)

1. Belorusskiy institut epidemiologii, mikrobiologii i gigyeny, Minsk.
(INFLUENZA, prev. and control
vacc., statist. in Russia)

KOMSKAYA, M.S. [Koms'ka, M.S.], kand.tekhn.nauk; FES'KO, Zh.S., inzh.

Rapid method for determining the granulometric composition of the clay slips. Leh.prom. no.1:84-85 Ja-Mr '63. (MIRA 16:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut stekol'noy i farforo-fayansovoy promyshlennosti.

KOMSKAYA, M.S. [Koms'ka, M.S.], kand.tekhn.nauk; FES'KO, Zh.Z.

New method for the dressing of kaolin. Leh.prom. no.1:71-72 Ja-Mr '64. (MIRA 19:1)

FES'KOV, G.P.

For proper organization of the work of efficiency experts and inventors. Vest. sviazi 16 no.3:25 Mr '56. (MIRA 9:7)

1.Glavnyy inzhener Velikolukskogo oblastnogo upravleniya svyazi.
(Telecommunication)

ROMENSKIY, I. P., kand.tekhn.nauk; FES'KOV, M. I., inzh.

The UPAR-01 unit for calibrating the ASO-3 manual vane anemometers. Bezop.truda v prom. 5 no.11:21-23 N '61. (MIRA 14:11)

1. Voroshilovskiy gornometallurgicheskiy institut.
(Anemometer)

ROMENSKIY, L.P., kand.tekhn.nauk; FES'KOV, M.I., gornyy inzh.; BELINSKIY, M.L., kand.tekhn.nauk

Planning and design of ventilation in the reorganization of Donets Basin mines. Ugol' Ukr. 6 no.9:19-21 S '62. (MIRA 15:9)

1. Kommunarskiy gorno-metallurgicheskiy institut (for Romenskiy, Fes'kov). 2. Shakhta No.1 "Krasnaya Zvezda" Chistyakovskogo tresta predpriyatiy ugol'noy promyshlennosti Donbassa Ministerstva ugol'noy promyshlennosti SSSR (for Belinskiy).
(Donets Basin--Mine ventilation)

VORONKOV, F.F.; FESKOVETS, V.S.

Dust collection by air filter systems of main-line electric locomotives. Sbor. nauch. trud. EINII 2:219-228 '62.
(MIRA 16:8)

(Electric locomotives—Ventilation)
(Dust collectors)

FESKOVICH, D.

Establishing norms for calculating technically based output standards in steel-wire production. Biul.nauch. inform: trud i zar.plata 3 no.7:24-28 '60. (MIRA 13:8)

(Moscow--Metallurgical plants--Production standards)
(Wire)

MINAR, Jiri; LAHN, Vilem; FESSL, Vaclav

Value of the determination of transaminases in clinical anesthesiology. Cas. lek. cesk. 98 no.35:1100-1104 28 Aug 59

1. KUNZ - fakultni nemocnice, anesteziologicke oddeleni, vedouci lekar MUDr. J. Mindar. Interni klinika lek. fakulty KU se sidlem v Plzni, prednosta prof. MUDr. K. Bobek. I. chirurgicka klinika lek. fakulty KU se sidlem v Plzni , prednosta doc. MUDr. K. Domansky.
(TRANSAMINASES, blood)
(ANESTHESIA, blood)

MATEJICEK, Jan; MINAR, Jiri; FESSL, Vaclav

Hazards related to Trendelenburg's position. Cesk. gyn. 26 [40] no.7:511-515 Ag '61.

1. MUNZ Plzen, gyn. por. odd., reditel MUDr. Milan Sedlak Anestezio-logicke oddeleni SFN Pizen, prim. MUDr. Jiri Minar I chir. klin. KU v Pizni, prednosta doc. MUDr. Karel Domansky.
(GYNECOLOGY)

MINAR, Jiri; FESSL, Vaclav

Some pharmacological aspects in clinical anesthesiology. Rozhl. chir. 41 no.1:38-42 Ja '62.

1. Anesteziologicka slozka SFN v Pizni, vedouci lekar MUDr. J. Minar I chirurg. klinika lekarska fakulty KU v Pizni, prednosta doc. MUDr. J. Spinka.

(ANESTHESIA)

FESSL, V.

2

CZECHOSLOVAKIA

MINAR, J., MD; FESSL, V., MD; SOBESKY, I., MD.

1. Anestesiological Complex SFN (Anesteziologicka slozka SFN), Pilsen (for Minar); 2. First Surgical Clinic of the Medical Faculty of Charles University, Pilsen Branch (I. chirurgicka klinika lekarske fakulty KU se sidlem v Plzni), Pilsen (for all)

Prague, Prakticky lekar, No 5, 1963, pp 168-169

"The Danger of Ether Anesthesia in Old Patients."

MINAR, J.; FESSL, V.

Halothane as a monoanesthetic in severe craniocerebral injuries.
Rozhl. chir. 42 no.8:544-547 Ag '63.

1. Anesteziologicka slozka SFN v Plzni, vedouci lekar MUDr.
J. Minar I chirurgicka klinika lekarske fakulty KU se sidlem
v Plzni, prednosta doc. dr. J. Spinka.
(HALOTHANE) (NEUROSURGERY) (BRAIN INJURY, ACUTE)
(INTRACRANIAL PRESSURE) (HEAD INJURIES)

MINAR, J.; FESSL, V.

Factors altering the effect of peripheral muscle relaxants.
Rozhl. chir. 43 no.6:372-378 Je'64

1. Anesteziologicke oddeleni Statni fakultni nemocnice v Plzni (vedouci: lekar MUDr. J.Minar) a I. chirurgicka klinika lekarske fakulty KU [Karlovy university] v Plzni, (prednostat doc. dr. J.Spinka).

MINAR, J.; FESSL, V.

Data on resuscitation of neurosurgical patients with apnea with maintenance of cardiovascular activity. Rozhl. chir. 43 no.10: 708-710 O '64.

1. Anesteziologicke oddeleni fakultni nemocnice v Plzni, (vedouci lekar MUDr. J. Minar) a I chirurgicka klinika lekarske fakulty Karlovy University v Plzni (prednosta doc. dr. J. Spinka).

MINAR,J.,MUDr.; SAMAN,K.; FESSL, V.

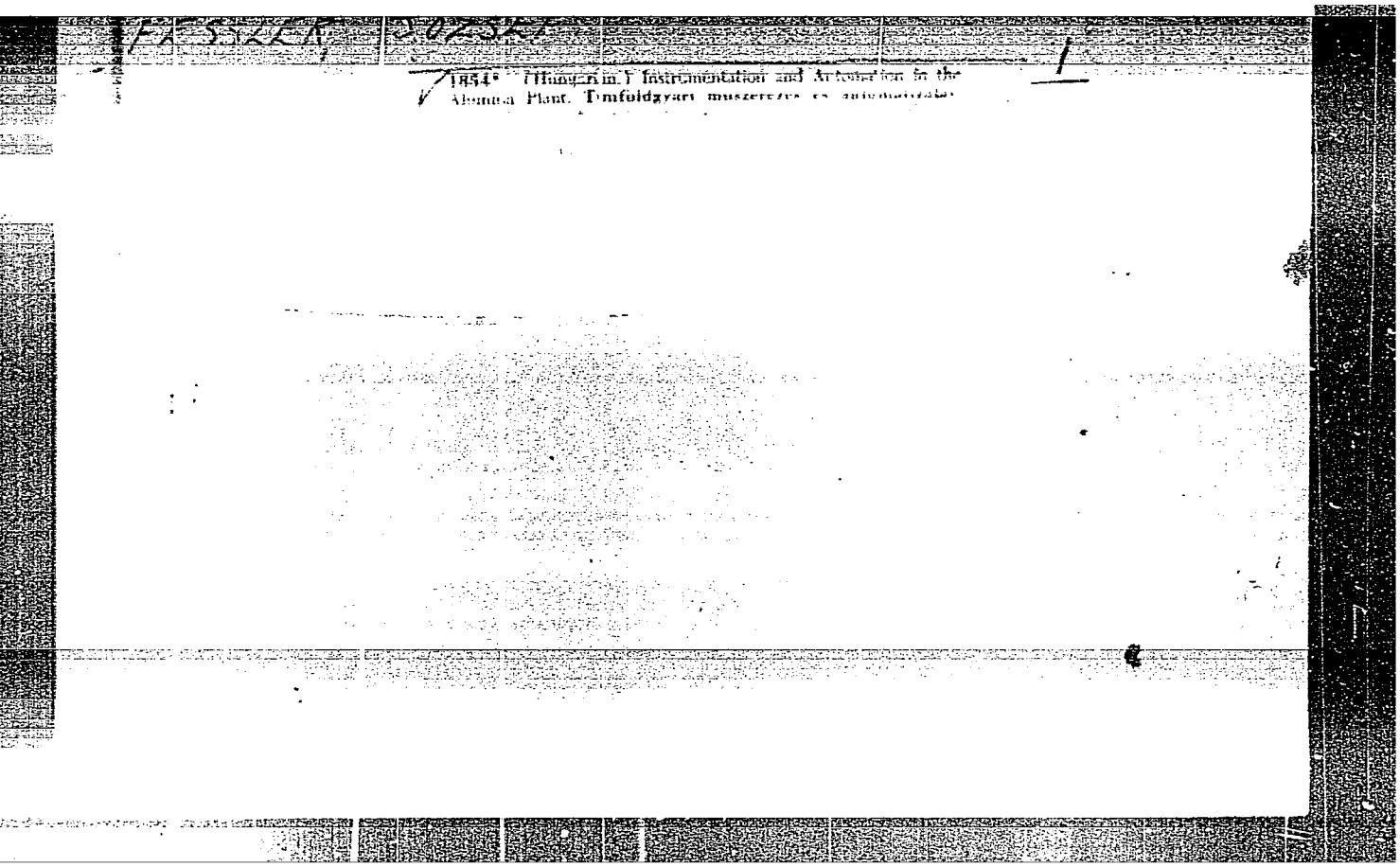
Problems and techniques of halothane anesthesia in pediatric eye surgery. Cesk. oftal. 21 no.3:172-176 My '65

1. Anesteziologicke oddeleni fakultni nemocnice v Plzni (vedouci: MUDr. J. Minar); Ocni klinika (prednosta: prof. dr. R. Knobloch, DrSc.), I. khirurgicka klinika (prednosta: doc. dr. J. Spinka) lekarske fakulty Karlovy University v Plzni.

FESSLER, J.; PINTER, T.

Investigation of the capacity of digesters of aluminum plants by correlation of digesting temperature and efficiency of production. p. 264 (Kohaszati Lapok. Budapest Vol. 11, no. 6, June 1956 Kohaszati Lapok. Vol. 9 (i.e. 11) no. 6)

SO: Monthly List of East European Accessions (EEAL) LC., Vol. 6, no. 7, July 1957 Uncl.



1954 Hungarian Instrumentation and Automation in the Alumina Plant. Tmfoldgyari muszerezes es automatizalas

CIUCA, M., academician; POPOVICI, Marcella; NESTORESCU, N.; ANDREESCU, Viorica; GEORGESCU, Colette; SOARE, Luiza; DRAGOI, Tatiana; FESSLER, Nina

Research on some genetic aspects of the biological evolution of "lytic" and "lysogenic" enteric bacteriophages. Stud. cercet. inframicrobiol. 14 no.5 545-550 '63.

1. Membru corespondent al Academiei R.P.R. (for Andreescu).
(COLIPHAGES) (SALMONELLA PHAGES) (GENETICS)

SEFER, M., dr.; FESSLER, Nini, chim.

Changes in the serum electrophoretic pattern in experimental leptospirosis in guinea pigs. Microbiologia (Bucur) 10 no.2: 139-146 Mr-Ap'65.

1. Lucrare efectuata la Catedra a II-a de microbiologie, Institutul medico-farmaceutic, Bucuresti.

IANCU, Larisa, chim; FESSLER, Nini, chim.

Technic of extraction of DNA from Escherichia coli M. Microbiologia (Bucur) 10 no.2:173-175 Mr-Ap'65.

1. Lucrare efectuata in Institutul de microbiologie, parazitologie si epidemiologie "Dr. I. Cantacuzino".

FEST, T.; CELEMEN, A.; FEST, G.; ALMASI, S.

The effect of para-aminosalicylic acid on the development of experimental goiter. Rev. sci. med. 5 no.3/4:145-148 '60.
(PARA-AMINOSALICYLIC ACID pharmacol.)
(GOITER exper.)

FESTA, G.

PA 4T41

USSR/Engines,Automobile Mar 1947

"The ZIS-120 Motor," G. Festa, 5 pp

"Avtomobil" Vol XXV, No 3

Detailed description with schematic drawings and photographs and a list of outstanding features

4T41

USSR/Trucks - Production Vehicles — Apr 1947

"The ZIS-150 Motor Truck," G. Festa, 4 pp

"Avtomobil'" Vol XXV, No 4

Description, photographs, diagrams and parametric data on the subject vehicle.

12T13

USSR/Trucks - Production Jun 1947
Trucks - Performance

"Motor Truck ZIS-150," G. Festa, Engr, 4 pp

"Avtomobil'" Vol XXV, No 6

Additional information on ZIS-150 (see Vol XXV, No 4). Discussion of characteristics, which make the vehicle especially suitable for Soviet road conditions. Details on hydraulic brake system.

12T27

GERMAN, N.Ye., inzhener; FESTA, G.A., inzhener, laureat Stalinskoy premii, redaktor; POPOVA, S.M., tekhnicheskiy redaktor.

[Catalog of spare parts for the ZIS-150 truck, the ZIS-156 compressed gas truck, and ZIS-585 and KAZ-585B dump trucks] Katalog zapasnykh chastei gruzovogo avtomobilia ZIS-150, gazoballonnogo avtomobilia ZIS-156 i avtomobilei-samosvalov ZIS-585 i KAZ-585B. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 267 p.
(MLRA 7:11)

1. Russia (1923- U.S.S.R.) Ministerstvo mashinostroyeniya.
(Motor trucks--Apparatus and supplies)

FESTA, G.A.

ANOKHIN, V.I., kandidat tekhnicheskikh nauk; PROSVIRNIN, A.D., inzhener, retsenzent; FESTA, G.A., inzhener, retsenzent; AFANAS'YEV, L.I., kandidat tekhnicheskikh nauk, redaktor; SOKOLOVA, T.F., tekhnicheskiy redaktor

[Soviet automobiles; reference book] Sovetskie avtomobili; spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 725 p. (MLRA 7:10)

(Automobiles—Design and construction)

MAMLEYEV, Aleksey Ivanovich; SHUTYY, Leonid Rubinovich; [illegible] inzhener, retsenzent; GERMAN, N.Ye., inzhener, redaktor; ZAHUDIN, A.G., redaktor; MODEL', B.I., tekhnicheskiy redaktor

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(BURNS AND SCALS) (LIVER) (PHOSPHATASES) (PSYCRIOPHARMACOLOGY)